

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: HALO COMMERCIAL

Report Number: P303357

Luminaire Tested: **PR6FS12D010 PR6M12MD9FSBZ 1500Lm3500K**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303357  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-3)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: PR6FS12D010 PR6M12MD9FSBZ 1500Lm3500K  
Description: PR6 MEDIUM LENS WITH, BRONZE FINISH  
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1166.0 lumens  
Efficiency: N/A  
Efficacy: 87.7 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.24  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

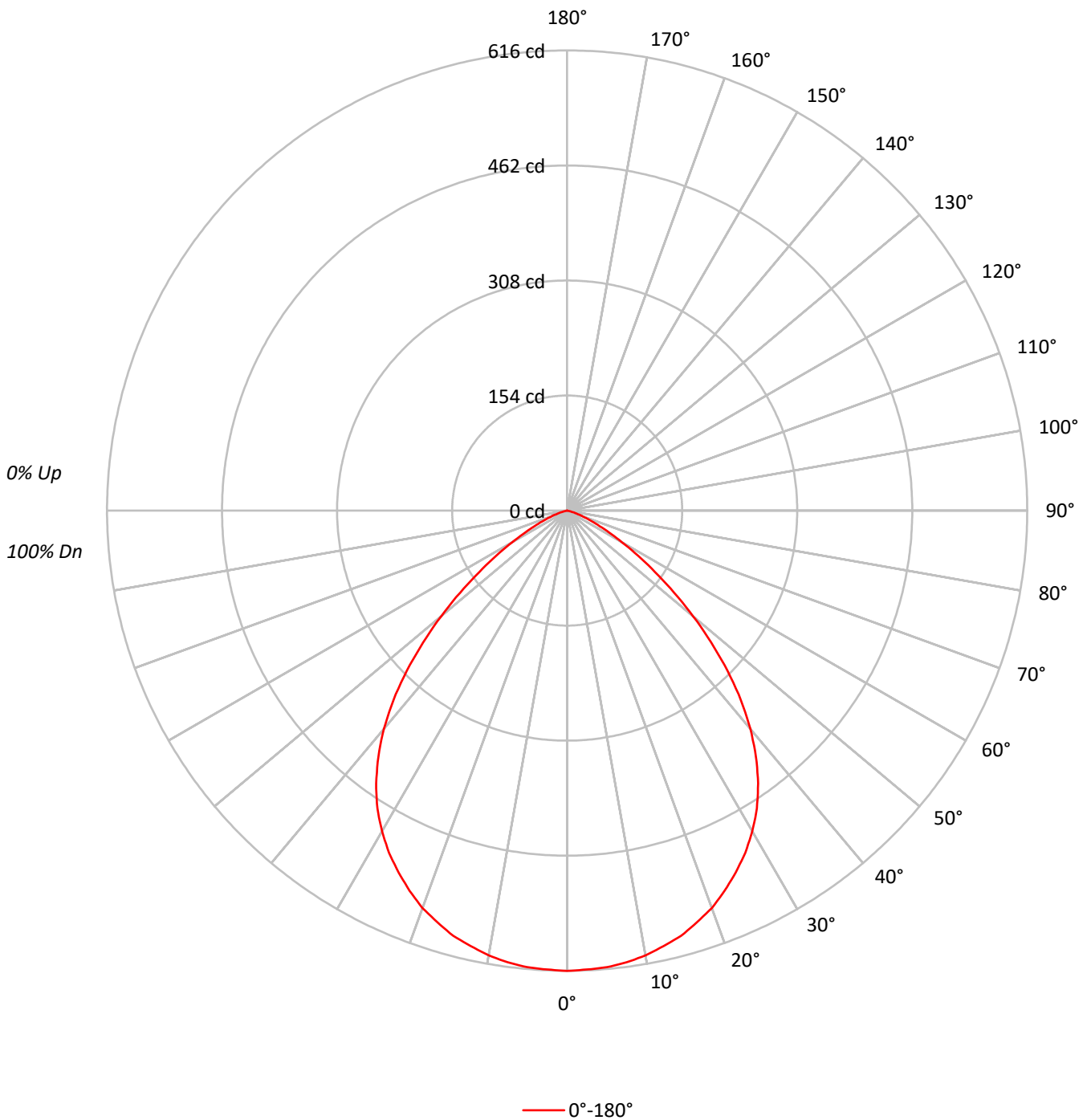
Input Watts (W): 13.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	108	105	102	109	106	103	101	102	100	97	98	96	94	95	93	92	90
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	79
3	97	88	82	76	94	87	81	76	84	79	74	81	77	73	79	75	72	70
4	90	80	73	67	88	78	72	67	76	70	66	74	69	65	72	68	64	62
5	83	72	65	59	81	71	64	59	69	63	58	68	62	58	66	61	57	55
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	50
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	46	45
8	68	56	48	43	66	55	48	43	54	47	43	53	47	42	52	46	42	41
9	64	52	44	39	62	51	44	39	50	43	39	49	43	39	48	43	39	37
10	60	48	41	36	59	47	40	36	46	40	36	45	40	36	45	39	35	34

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	40201
5°	40185
10°	40060
15°	39803
20°	39310
25°	38454
30°	37350
35°	35505
40°	32516
45°	28011
50°	22360
55°	16322
60°	11039
65°	6916
70°	3910
75°	1613
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	58.3	5.0
10°-20°	165.9	14.2
20°-30°	245.8	21.1
30°-40°	277.0	23.8
40°-50°	232.6	20.0
50°-60°	131.0	11.2
60°-70°	47.0	4.0
70°-80°	8.4	0.7
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	470.0	40.3
0°-40°	747.0	64.1
0°-60°	1110.6	95.3
0°-90°	1166.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1166.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	616	
5°	614	58
15°	589	166
25°	534	246
35°	446	277
45°	304	233
55°	144	131
65°	45	47
75°	6	8
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	616.2
2.5°	614.9
5°	613.6
7.5°	609.8
10°	604.7
12.5°	597.0
15°	589.3
17.5°	577.8
20°	566.2
22.5°	550.9
25°	534.2
27.5°	516.3
30°	495.8
32.5°	472.7
35°	445.8
37.5°	415.1
40°	381.8
42.5°	344.6
45°	303.6
47.5°	261.3
50°	220.3
52.5°	180.6
55°	143.5
57.5°	112.7
60°	84.6
62.5°	62.8
65°	44.8
67.5°	30.7
70°	20.5
72.5°	12.8
75°	6.4
77.5°	2.6
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)